at least 1000 m^2/g and an Fe content of less than 0.15 wt.%, calculated as Fe_2O_3 at a temperature of at least 250 °C,

wherein an activated carbon having an effective pore volume V_{eff} of equal to or greater than 0.17 ml/g is used, V_{eff} is obtained from pores having a pore diameter in the range of 0.5 to 7 nm.

2. (Amended) Process according to claim 1,

wherein the effective pore volume V_{eff} of the activated carbon is calculated from the sum $V_{eff} = 0.25V_{micro} + 0.5V_{meso}$, V_{micro} represents pores having a diameter of less than 2 nm and V_{meso} represents pores having a diameter of 2 to 30 nm.

3. (Amended) Process according to claim 1 wherein

V_{eff} of the activated carbon used is at least 0.2 ml/g.

4. (Amended) Process according to claim 1, wherein

the activated carbon has a bulk density of equal to or less than 420 g/l.

5. (Amended) Process according to claim 1, wherein

the activated carbon has a BET surface area of at least 1200 m^2/g and V_{eff} is at least 0.2 ml/g.